

CLAIMS

1. A phenol resin composition comprising a phenol resin and boehmite having an average particle diameter (minor diameter) of 100 nm or less.

5        2. A phenol resin composition comprising a phenol resin and boehmite having an average particle diameter (minor diameter) of 100 nm or less, wherein the boehmite has an aspect ratio of 1 to 100.

10       3. A phenol resin composition comprising a phenol resin, boehmite having an average particle diameter (minor diameter) of 100 nm or less and an alumina-based compound as a filler.

15       4. A phenol resin composition comprising a phenol resin, boehmite having an average particle diameter (minor diameter) of 100 nm or less and an alumina-based compound as a filler, wherein the boehmite has an aspect ratio of 1 to 100.

20       5. A phenol resin composition comprising a phenol resin and boehmite having an average particle diameter (minor diameter) of 100 nm or less, an amount of the boehmite being from 1 to 150 parts based on 100 parts by weight of the phenol resin.

25       6. A phenol resin composition comprising a phenol resin and boehmite having an average particle diameter (minor diameter) of 100 nm or less, an amount of the boehmite being from 1 to 150 parts based on 100 parts by weight of the phenol resin, the phenol resin composition further comprising an alumina-based compound as a filler.

30       7. A phenol resin composition comprising a phenol resin and boehmite having an average particle diameter (minor diameter) of 100 nm or less and an aspect ratio of 1 to 100, an amount of the boehmite being from 1 to 150 parts based on 100 parts by weight of the phenol resin.

35       8. A phenol resin composition comprising a phenol resin and boehmite having an average particle diameter (minor diameter) of 100 nm or less and an aspect ratio of 1 to 100, an amount of the boehmite being from 1 to 150

parts based on 100 parts by weight of the phenol resin, the phenol resin composition further comprising an alumina-based compound as a filler.

5        9. The phenol resin composition according to any one of claims 1 to 8, which has thermosetting properties.

10       10. The phenol resin composition according to any one of claims 1 to 4, further comprising a benzoxazine resin in a weight ratio of the phenol resin to the benzoxazine resin within a range from 95/5 to 25/75.

15       11. The phenol resin composition according to any one of claims 5 to 8, further comprising a benzoxazine resin in a weight ratio of the phenol resin to the benzoxazine resin within a range from 95/5 to 25/75 (provided that the content of the boehmite is within a range from 1 to 150 parts by weight based on 100 parts by weight of the total amount of the phenol resin and the benzoxazine resin).

20       12. The phenol resin composition according to claim 10, which has thermosetting properties.

      13. The phenol resin composition according to claim 11, which has thermosetting properties.